



LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Currently Amended) Apparatus for supplying to ~~a subscriber~~ interested subscribers via a mobile telecommunications network changing information for each of a plurality of different sets of data, the apparatus comprising:

first receiving means for receiving said changing information;

second receiving means for receiving said changing information in synchronism with said first receiving means;

a data base for storing information received by the first receiving means relating to said different sets of data;

communication means for establishing communication with a each interested subscriber via a the mobile telecommunications network;

a subscriber profile store for storing, for each interested subscriber, information associating a that interested subscriber with a corresponding group of said different sets of data;

means for supplying to a each interested subscriber via the mobile telecommunications network information from the data base for the corresponding group of data sets associated in the subscriber profile store with that interested subscriber when communication with that interested subscriber is established; and

means for supplying from said second receiving means to ~~the~~ each interested subscriber via the mobile telecommunications network changing information relating to the corresponding group of data sets associated with that interested subscriber once said information has been supplied to ~~the~~ that interested subscriber from the data base.

2. (Currently Amended) Apparatus for supplying to ~~a subscriber~~ interested subscribers via a mobile telecommunications network changing price information for a plurality of different sets of financial market data, the apparatus comprising:

first receiving means for receiving said changing price information;

second receiving means for receiving said changing price information in synchronism with said first receiving means;

a data base for storing price information received by the first receiving means for said plurality of different sets of financial market ~~contracts~~ data;

communication means for establishing communication with a portable computer of a each interested subscriber via a the mobile telecommunications network;

a subscriber profile store for storing, for each interested subscriber, information enabling identification of each of a corresponding group of sets of financial market data in which a that interested subscriber is interested in receiving changing price information;

means for supplying to a each interested subscriber's portable computer via the mobile telecommunications network information from the database for the corresponding group of sets of financial market data associated with that interested subscriber in the subscriber profile store when communication with that interested subscriber's portable computer is established; and

means for supplying to ~~the~~ each interested subscriber's portable computer via the mobile telecommunications network changing price information for each of the sets of financial market data in the group associated with that interested subscriber as changing price information is received by said second receiving means once said information has been supplied to ~~the~~ that interested subscriber from said database.

3. (Currently Amended) Apparatus according to claim 2, wherein the database comprises a data store having a plurality of data files each arranged to store changing price data for a specific set of financial market data.

4. (Currently Amended) Apparatus according to claim 3, wherein the first receiving means is arranged to identify as said financial market data ~~the~~ a financial exchange and contracts to which received changing price information relates and to store that changing price information in the data file for that contract in the data store.

5. (Currently Amended) Apparatus according to claim 4, wherein the first receiving means is arranged to replace existing price information in ~~a~~ an associated data file with ~~updated~~ changing price information as the ~~updated~~ changing price information is received.

6. (Currently Amended) Apparatus according to claim 1, wherein the subscriber profile store is adapted to associate a particular set of data with each interested subscriber interested in receiving changing information for that particular set of data.

7. (Previously Presented) Apparatus according to claim 1, wherein the subscriber profile store is adapted to associate sets of data with different character strings.

8. (Original) Apparatus according to claim 7, wherein the subscriber profile store is arranged to store the different character strings using a ternary tree structure.

9. (Currently Amended) Apparatus according to claim 8, wherein each end node of the ternary tree representing a different one of said character strings is associated with ~~the~~

each interested subscriber ~~or subscribers~~ interested in changing information for the set or sets of data associated with that character string.

10. (Currently Amended) Apparatus according to claim 1, wherein the subscriber profile store is arranged to associate a each interested subscriber with said corresponding group of sets of data only while communication is established with ~~the~~ that interested subscriber ~~using~~ by the communication means.

11. (Currently Amended) Apparatus according to claim 1, wherein the communication means is arranged to determine whether a each interested subscriber is able to receive information and to store said information in a data structure if ~~the~~ that interested subscriber is unable to receive information.

12. (Currently Amended) Apparatus according to claim 11, wherein the communication means is arranged to send the information stored in the data structure as soon as it determines that ~~the client~~ the subscriber previously unable to receive information is able to receive information.

13. (Currently Amended) Apparatus according to claim 11, wherein the communication means is arranged to send ~~the client~~ each interested subscriber new information rather than information previously stored in the data structure so that ~~the~~ interested subscriber receives the most recent information.

Claims 14-15 (Canceled).

16. (Previously Presented) Apparatus according to claim 1, wherein the different sets of data comprise different contracts on any one or more of the following types of financial exchanges: future commodity, option commodity, index, stock, and foreign exchange.

17. (Currently Amended) Apparatus according to claim 1, wherein both the supplying means are also adapted to communicate changing news data to the interested subscribers.

18. (Currently Amended) Apparatus according to claim 1, wherein the first and second receiving means are arranged to receive the changing information from at least one information provider.

19. (Currently Amended) Apparatus according to claim 1, further comprising satellite communication means for communicating with an information provider for receiving the changing information for supply to the first and second receiving means.

Claims 20-24 (Canceled).

25. (Currently Amended) A subscriber apparatus for communicating with information supplying apparatus over a mobile telecommunications network to enable the information supplying apparatus to supply to the subscriber apparatus changing information for each of a plurality of different sets of data, the subscriber apparatus comprising:

a ~~user~~ subscriber input interface for enabling a an interested subscriber ~~user~~ to input subscriber profile data identifying a corresponding group of said sets of data in which ~~the~~ that interested subscriber is interested;

communicating means for communicating the subscriber profile data to the information supplying apparatus;

receiving means for receiving from the information supplying apparatus via the mobile telecommunications network changing information for the corresponding group of sets of data identified by the subscriber profile data communicated to the information supplying apparatus; and

advising means for advising a the interested subscriber ~~user~~ of the received changing information,

wherein ~~the storing means is arranged~~ are provided to store received information while the advising means is advising a the interested subscriber ~~user~~ of previously received information.

26. (Currently Amended) A subscriber apparatus for communicating with information supplying apparatus over a mobile telecommunications network to enable the information supplying apparatus to supply to the subscriber apparatus changing information for each of a plurality of different sets of data, the subscriber apparatus comprising:

a user input interface for enabling a each interested subscriber ~~user~~ to input subscriber profile data identifying a corresponding group of said sets of data in which ~~the~~ that interested subscriber is interested;

communicating means for communicating the subscriber profile data to the information supplying apparatus;

receiving means for receiving from the information supplying apparatus via the mobile telecommunications network changing information for the corresponding group of sets of data identified by the subscriber profile data communicated to the information supplying apparatus;

~~advising means for advising a user of the received information; and~~

data storing means configured to store ~~unchanging~~ changing data for the corresponding group of each of the different sets of data available from identified by the subscriber profile data communicated to the information supplying apparatus; and

advising means for advising the interested subscriber of the received changing information.

27. (Currently Amended) A subscriber apparatus for communicating with information supplying apparatus over a mobile telecommunications network to enable the information supplying apparatus to supply to the subscriber apparatus changing information for each of a plurality of different sets of data, the subscriber apparatus comprising:

a user input interface for enabling a an interested subscriber ~~user~~ to input subscriber profile data identifying a corresponding group of said sets of data in which the that interested subscriber is interested;

communicating means for communicating the subscriber profile data to the information supplying apparatus;

receiving means for receiving from the information supplying apparatus via the mobile telecommunications network changing information for the corresponding group of sets of data identified by the subscriber profile data communicated to the information supplying apparatus; and

advising means for advising a the interested subscriber ~~user~~ of the received changing information,

wherein the data storing means is ~~configured~~ provided to store data identifying each different set of ~~information data~~ and data identifying the different fields of changing information for each different set of ~~information data~~.

28. (Currently Amended) A subscriber apparatus for communicating with information supplying apparatus over a mobile telecommunications network to enable the information supplying apparatus to supply to the subscriber apparatus changing information for each of a plurality of different sets of data, the subscriber apparatus comprising:

a user input interface for enabling a an interested subscriber ~~user~~ to input subscriber profile data identifying a corresponding group of said sets of data in which ~~the~~ that interested subscriber is interested;

communicating means for communicating the subscriber profile data to the information supplying apparatus;

receiving means for receiving from the information supplying apparatus via the mobile telecommunications network changing information for the corresponding group of sets of data identified by the subscriber profile data communicated to the information supplying apparatus; and

advising means for advising a the interested subscriber of the received changing information,

wherein the different sets of data comprise contracts on one or more financial exchanges.

29. (Currently Amended) Apparatus according to claim 27, wherein the different sets of data comprise financial exchange contracts and the data identifying each different set of data is data identifying each contract and comprises information relating to the contract name and exchange and the different fields comprise price data fields.

30 (Canceled).

31. (Currently Amended) Apparatus according to claim 1, wherein a corresponding group can consist of one or more sets of data.

32. (Currently Amended) A system comprising:
apparatus for supplying to a ~~subscriber~~ interested subscribers via a mobile telecommunications network changing information for each of a plurality of different sets of data, the apparatus for supplying comprising,

first receiving means for receiving said changing information,

second receiving means for receiving said changing information in synchronism with said first receiving means,

a data base for storing information received by the first receiving means relating to said different sets of data;

communication means for establishing communication with a each interested subscriber via a the mobile telecommunications network,

a subscriber profile store for storing information associating a each interested subscriber with a corresponding group of said different sets of data,

means for supplying to a each interested subscriber via the mobile telecommunications network information from the data base for the corresponding group of data sets associated in the subscriber profile store with that interested subscriber when communication with that interested subscriber is established, and

means for supplying from said second receiving means to ~~the~~ each interested subscriber via the mobile telecommunications network changing information relating to the corresponding group of data sets associated with that interested subscriber once

said information from the data base has been supplied to ~~the~~ that interested subscriber;
and

~~at least one~~ a plurality of subscriber device ~~devices~~, ~~the at least one~~ each
subscriber device comprising,

a ~~user~~ subscriber input interface for enabling ~~a user~~ an interested subscriber
using that subscriber device to input subscriber profile data identifying a
corresponding group of said sets of data in which ~~the~~ that interested subscriber is
interested,

communicating means for communicating the subscriber profile data to the
apparatus for supplying,

receiving means for receiving from ~~the~~ said supplying apparatus, via the
mobile telecommunications network, changing information for the corresponding
group of sets of data identified by the subscriber profile data communicated to ~~the~~
said supplying apparatus, and

advising means for advising ~~a user~~ the interested subscriber using that
subscriber apparatus of the received changing information.

33. (Currently Amended) A method of supplying to interested subscribers via a
mobile telecommunications network changing information for each of a plurality of different
sets of data, the method comprising the steps of:

receiving changing information from an information provider;

storing received changing information in a database;

storing subscriber profiles indicating which of the different sets of data a each
interested subscriber is interested in;

establishing communication with a interested subscriber subscribers via the mobile telecommunications network;

when communication is established with an interested subscriber, supplying information stored in the database for the data sets in ~~the subscriber's~~ an associated subscriber profile to ~~the~~ that interested subscriber over the mobile telecommunications network ~~when communication is established with the subscriber~~ and thereafter supplying changing information for the data sets in the ~~subscriber's~~ associated subscriber profile directly to ~~the~~ that interested subscriber over the mobile telecommunications network as that changing information is received.

34. (Currently Amended) In an information supplying apparatus having a receiver for receiving changing information, a subscriber profile store for storing ~~subscriber's~~ associated subscriber profiles, a database for storing information and a communicator for communicating with interested subscribers over a mobile telecommunications network, a method of supplying to the interested subscribers via the mobile telecommunications network changing information for each of a plurality of different sets of data, the method comprising the steps of:

receiving changing information from an information provider;

storing received changing information in a database;

storing the subscriber profiles indicating which of the different sets of data a each interested subscriber is interested in;

establishing communication with a interested subscriber subscribers via the mobile telecommunications network;

when communication is established with an interested subscriber, supplying information stored in the database for the data sets in the ~~subscriber's~~ associated subscriber

profile to ~~the~~ that interested subscriber over the mobile telecommunications network ~~when communication is established with the subscriber~~ and thereafter supplying changing information for the data sets in ~~the~~ that associated subscriber subscriber's profile to ~~the~~ that interested subscriber over the mobile telecommunications network as that changing information is received.

35. (Currently Amended) A method of supplying to interested subscribers via a mobile telecommunications network changing financial information for each of a plurality of different sets of financial market data, the method comprising the steps of:

receiving changing financial information from an information provider;

storing received changing financial information in a database;

storing subscriber profiles indicating which of the different sets of financial market data a each interested subscriber is interested in;

establishing communication with a interested subscriber subscribers via the mobile telecommunications network; and

when communication is established with ~~the~~ an interested subscriber, supplying to ~~the~~ that interested subscriber over the mobile telecommunications network financial information stored in the database for the financial market data sets in ~~the subscriber's~~ an associated subscriber profile and thereafter supplying changing financial information for the financial market data sets in the ~~subscriber's~~ associated subscriber profile to ~~the~~ that interested subscriber over the mobile telecommunications network as that changing financial information is received.

36. (Currently Amended) A method according to claim 35, ~~which comprises storing~~
wherein said changing information is stored in the database as said changing information
changing price data.

37. (Currently Amended) A method according to claim 36, which comprises
identifying ~~the~~ a financial exchange and a contract to which received changing price data
relates as said financial market data and storing that changing price data in a file related to
~~that~~ said contract.

38. (Previously Presented) A method according to claim 33, wherein existing
changing information in the database is replaced as new changing information is received.

39. (Currently Amended) A method according to claim 33, wherein the subscriber
profile storing step comprises associating a each interested subscriber with codes relating to
~~the or~~ each different set of data in which ~~the~~ that interested subscriber is interested.

40. (Currently Amended) A method according to claim 33, wherein the subscriber
profile storing step comprises associating different character strings with the different sets of
data and associating a each interested subscriber with a character string relating to a set of
data in which ~~the~~ that interested subscriber is interested.

41. (Original) A method according to claim 40, which comprises arranging the
character strings in at least one ternary tree structure.

42. (Currently Amended) A method according to claim 33, which also comprises communicating changing news data to the interested subscribers.

43. (Currently Amended) A method according to claim 33, wherein the changing information is received by satellite communication from at least one information provider.

Claims 44-46 (Canceled).

47. (Currently Amended) A method of operating a computer having mobile telecommunications facilities to enable communication with information supplying apparatus over a mobile telecommunications network to enable the information supplying apparatus to supply to a an interested subscriber using the computer changing information for each of a plurality of different sets of data, the method comprising:

receiving via ~~a user~~ an input device subscriber profile data identifying a corresponding group of said sets of data in which the interested subscriber using the computer is interested;

communicating the subscriber profile data to the information supplying apparatus;

receiving from the information supplying apparatus via the mobile telecommunications network changing information for the corresponding group of sets of data identified by the subscriber profile data communicated to the information supplying apparatus;

advising ~~a user~~ the interested subscriber using the computer of the received changing information; and

storing received information received while ~~a user~~ the interested subscriber using the computer is still being advised of previously received information.

48. (Currently Amended) A method of operating a computer having mobile telecommunications facilities to enable communication with information supplying apparatus over a mobile telecommunications network to enable the information supplying apparatus to supply to a an interested subscriber using the computer changing information for each of a plurality of different sets of data, the method comprising:

receiving via ~~a user~~ an input device subscriber profile data identifying a corresponding group of said sets of data in which the interested subscriber using the computer is interested;

communicating the subscriber profile data to the information supplying apparatus;
receiving from the information supplying apparatus via the mobile telecommunications network changing information for the corresponding group of sets of data identified by the subscriber profile data communicated to the information supplying apparatus;

~~advising a user of the received changing information; and~~
storing ~~unchanging~~ changing data for the corresponding group of each of the different sets of data identified by the subscriber profile data communicated to available from the information supplying apparatus ~~in data storing means of the computer; and~~
advising the interested subscriber using the computer of the received changing information as the changing information is received.

49. (Currently Amended) A method according to claim 48, wherein the stored changing data identifies each different set of data and ~~the~~ different fields of changing information for each different set of data.

50. (Currently Amended) A method of operating a computer having mobile telecommunications facilities to enable communication with information supplying apparatus over a mobile telecommunications network to enable the information supplying apparatus to supply to a an interested subscriber using the computer changing information for each of a plurality of different sets of data, the method comprising:

receiving via ~~a user~~ an input device subscriber profile data identifying a corresponding group of said sets of data in which the interested subscriber using the computer is interested;

communicating the subscriber profile data to the information supplying apparatus;
receiving from the information supplying apparatus via the mobile telecommunications network changing information for the corresponding group of sets of data identified by the subscriber profile data communicated to the information supplying apparatus; and

advising ~~a user~~ the interested subscriber using the computer of the received changing information,

wherein the different sets of data comprise contracts on one or more financial exchanges.

51. (Currently Amended) A method according to claim 49, wherein the different sets of data comprise financial exchange contracts and ~~the data~~ includes, for each financial exchange contract, identifying each contract comprises as at least information relating to the contract name and exchange, and wherein the different fields comprise price data fields.

Claims 52-53 (Canceled).

54. (Currently Amended) A computer storage medium storing a computer program product ~~in accordance with claim 53~~ comprising processor implementable instructions for programming a processor of apparatus having mobile telecommunications facilities to become configured as apparatus for supplying interested subscribers via a mobile telecommunications network changing information for each of a plurality of different sets of data, the apparatus comprising:

first receiving means for receiving said changing information;

second receiving means for receiving said changing information in synchronism with said first receiving means;

a data base for storing information received by the first receiving means relating to said different sets of data;

communication means for establishing communication with a each interested subscriber via a the mobile telecommunications network;

a subscriber profile store for storing, for each interested subscriber, information associating a that interested subscriber with a corresponding group of said different sets of data;

means for supplying to each interested subscriber via the mobile telecommunications network information from the data base for the corresponding group of data sets associated in the subscriber profile store with that interested subscriber when communication with that interested subscriber is established; and

means for supplying from said second receiving means to each interested subscriber via the mobile telecommunications network changing information relating to the corresponding group of data sets associated with that interested subscriber once said information has been supplied to that interested subscriber from the data base.

55. (Currently Amended) Apparatus for supplying to a ~~subscriber~~ interested subscribers via a mobile telecommunications network changing information for each of a plurality of different sets of data, the apparatus comprising:

- a first receiver operable to receive said changing information;
- a second receiver operable to receive said changing information in synchronism with said first receiver;
- a data base for storing information received by the first receiver relating to said different sets of data;
- a communicator operable to establish communication with a each interested subscriber via a the mobile telecommunications network;
- a subscriber profile store for storing information associating a each interested subscriber with a corresponding group of said different sets of data;
- a first supplier operable to supply to a each interested subscriber via the mobile telecommunications network information from the data base for the corresponding group of data sets associated in the subscriber profile store with that interested subscriber when communication with that interested subscriber is established; and
- a second supplier operable to supply from said second receiver to the each interested subscriber via the mobile telecommunications network changing information relating to the corresponding group of data sets associated with that interested subscriber once said information has been supplied to the that interested subscriber from the data base.

56. (Previously Presented) Apparatus according to claim 55, wherein the plurality of different sets of data comprises a plurality of different sets of financial market data and the changing information is changing price information.

Claim 57 (Canceled).

58. (Currently Amended) Apparatus for supplying to subscribers via a mobile telecommunications network continually changing price information for a plurality of different sets of financial market data, the apparatus comprising a processor operable:

~~a determiner operable~~ to determine which of the different sets of financial market data a each subscriber is interested in; and

~~a supplier operable first~~ to supply to each interested subscriber via the mobile telecommunications network information for the set or sets of financial market data in which ~~the~~ that interested subscriber is interested and subsequently to supply to ~~the~~ that interested subscriber via the mobile telecommunications network only updated or changed information for the set or sets of financial market data in which ~~the~~ that interested subscriber is interested,

wherein the different sets of financial market data are different financial exchange contracts and the updated or changed information is updated or changed price information for the financial exchange contract or contracts in which ~~the~~ that interested subscriber is interested.